AMENDMENTS TO THE SPECIFICATION

On Page 1, please add the following paragraph after the title, and before the heading "*TECHNICAL FIELD*":

CROSS-REFERENCE TO RELATED APPLICATION

This application is based upon and claims the benefit of priority from Japanese Patent Application No. 2003-317100, filed on September 9, 2003, the entire contents of which are incorporated herein by reference.

Please replace the Paragraph beginning on Line 11 of Page 1 and after the heading "*BACKGROUND ART*" with the following paragraph rewritten in amendment format:

In a conventional wireless packet communication apparatus, a wireless channel to be used is determined in advance. Prior to transmission of a data packet, the wireless packet communication apparatus performs carrier sense to detect whether or not that wireless channel is idle. Only when that wireless channel is idle, the wireless packet communication apparatus transmits one data packet. This management allows a plurality of stations (hereinafter, STA) to share one wireless channel in a staggered manner ~~((1) IEEE 802.11 "MAC and PHY Specification for Metropolitan Area Networks", IEEE 802.11, 1998,~~ ((1) International Standard ISO/IEC 8802-11 ANSI/IEEE Std. 802.11, 1999 edition, Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications; (2) "Low-powered

Data Communication System/Broadband Mobile Access Communication System (CSMA) Standard", ~~ARIB SDT-T71~~ ARIB STD-T71 version 1.0, Association of Radio Industries and Businesses, settled in 2000).

In the section titled "*DISCLOSURE OF THE INVENTION*", please replace the following paragraphs as indicated below.

Please replace the Paragraph beginning on Line 12 of Page 5 with the following paragraph rewritten in amendment format:

~~The invention of claim 1~~ A first aspect of the invention provides a wireless packet communication method for transmitting a plurality of wireless packets simultaneously by using multiple wireless channels determined to be idle by carrier sense, a single wireless channel determined to be idle and MIMO, or the multiple wireless channels and the MIMO. The wireless packet communication method includes setting a mandatory channel that is always used for transmission and transmitting the wireless packets by using a wireless channel or wireless channels that includes/include the mandatory channel, only when the mandatory channel is idle.

Please replace the Paragraph beginning on Line 3 of Page 6 with the following paragraph rewritten in amendment format:

~~The invention of claim 2~~ A second aspect of the invention provides a wireless packet communication method for transmitting a plurality of wireless packets simultaneously by using multiple wireless channels determined to be idle by carrier sense, a single wireless channel determined to be idle and MIMO, or the multiple wireless channels and the MIMO. The wireless packet communication method includes distinguishing an STA A, for which a mandatory channel always used for transmission is set, from an STA B for which no mandatory channel is set. Wireless packets addressed to the STA A are transmitted by using the wireless channel(s) including the mandatory channel, only when the mandatory channel is idle. Wireless packets addressed to the STA B are transmitted by using the idle wireless channel(s).

Please replace the Paragraph beginning on Line 12 of Page 6 with the following paragraph rewritten in amendment format:

The STA A has a similar function as that of the ~~invention of claim 1~~ first aspect of the invention. The STA B for which no mandatory channel is set, is made transmittable even when the mandatory channel is busy.

Please replace the Paragraph beginning on Line 15 of Page 6 with the following paragraph rewritten in amendment format:

~~The invention of claim 3~~ A third aspect of the invention is such that the plurality of wireless packets transmitted simultaneously are set to have the same or equivalent packet

time length that corresponds to a packet size or a transmission time in the ~~invention of claim 1 or 2~~ in the first or second aspect of the invention.

Please replace the Paragraph beginning on Line 18 of Page 6 with the following paragraph rewritten in amendment format:

~~The invention of claim 4 is such that in the invention recited in claim 1 or 2,~~ A fourth aspect of the invention is such that in the first or second aspect of the invention, wireless packets are simultaneously transmitted selectively using the multiple wireless channels or MIMO in accordance with the number of pieces of data or the number of MIMOs that depends on a channel condition.

Please replace the Paragraph beginning on Line 22 of Page 6 with the following paragraph rewritten in amendment format:

~~The invention of claim 5~~ A fifth aspect of the invention provides a wireless packet communication apparatus for transmitting a plurality of wireless packets simultaneously by using multiple wireless channels determined to be idle by carrier sense, a wireless channel determined to be idle and MIMO, or the multiple wireless channels and the MIMO. The wireless packet communication apparatus includes a unit setting a mandatory channel that is always used for transmission and transmitting the wireless packets by using the multiple wireless channels or the wireless channel that include/includes the mandatory channel, only when the mandatory channel is idle.

Please replace the Paragraph beginning on Line 5 of Page 7 with the following paragraph rewritten in amendment format:

~~The invention of claim 6~~ A sixth aspect of the invention provides a wireless packet communication apparatus for transmitting a plurality of wireless packets simultaneously by using multiple wireless channels determined to be idle by carrier sense, a single wireless channel determined to be idle and MIMO, or the multiple wireless channels and the MIMO. The wireless packet communication apparatus includes a unit distinguishing an STA A, for which a mandatory channel that is always used for transmission is set, from an STA B for which no mandatory channel is set, and determining destinations of the wireless packets. In case of wireless packets addressed to the STA A, the unit transmits the wireless packets by using the multiple wireless channels or the wireless channel that include/includes the mandatory channel, only when the mandatory channel is idle. In case of wireless packets addressed to the STA B, the unit transmits the wireless packets by using idle wireless channel or channels.

Please replace the Paragraph beginning on Line 16 of Page 7 with the following paragraph rewritten in amendment format:

~~The invention of claim 7 is such that in the invention recited in claim 5 or 6,~~ A seventh aspect of the invention is such that in the fifth or sixth aspect of the invention, the

plurality of wireless packets transmitted simultaneously are set to have the same or equivalent packet time length that corresponds to a packet size or a transmission time.

Please replace the Paragraph beginning on Line 19 of Page 7 with the following paragraph rewritten in amendment format:

~~The invention of claim 8 is such that in the invention recited in claim 5 or 6,~~ An eighth aspect of the invention is such that in the fifth or sixth aspect of the invention, wireless packets are simultaneously transmitted selectively using the multiple wireless channels or MIMO in accordance with the number of pieces of data or the number of MIMOs that depends on a channel condition.

On page 7, please add the following paragraph beginning on line 25 and after the heading *"BRIEF DESCRIPTION OF THE DRAWINGS":*

The nature, principle, and utility of the invention will become more apparent from the following detailed description when read in conjunction with the accompanying drawings in which like parts are designated by identical reference numbers, in which:

On Page 19, please add the following paragraph beginning on Line 24, at the end of the "*BEST MODE FOR CARRYING OUT THE INVENTION*" section and before the heading "*INDUSTRIAL APPLICABILITY*":

The invention is not limited to the above embodiments and various modifications may be made without departing from the spirit and scope of the invention. Any improvement may be made in part or all of the components.